



Patent Attorney Docket No. 034107-046

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Robert M. Winslow et al.

Group Art Unit: 1653

Application No.: 10/501,171

Examiner:

Filing Date: September 27, 2004

Confirmation No.: 7868

Title: METHODS AND COMPOSITIONS FOR OXYGEN TRANSPORT COMPRISING MODIFIED HEMOGLOBIN IN PLASMA

**FIRST  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a **FIRST** Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

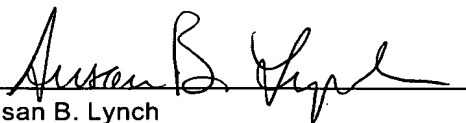
The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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402 W. Broadway  
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By

  
Susan B. Lynch

Registration No. 51,979

Date: November 5, 2004



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
Robert W. WINSLOW et al.	)	Group Art Unit: 1653
Application No.: 10/501,171	)	Examiner: Unassigned
Filed: September 27, 2004	)	
For: METHODS AND COMPOSITIONS FOR	)	
OXYGEN TRANSPORT COMPRISING	)	
MODIFIED HEMOGLOBIN IN PLASMA	)	
_____	)	

**FIRST INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

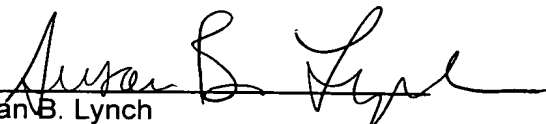
In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

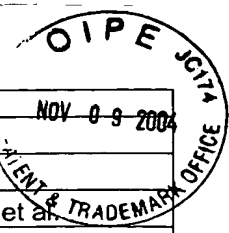
To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,  
BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date November 5, 2004

By:   
Susan B. Lynch  
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San Diego, CA 92101  
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<b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <small>(use as many sheets as necessary)</small>		<b>Complete if Known</b>	
		<b>Application Number</b>	10/501,171
		<b>Filing Date</b>	September 27, 2004
		<b>First Named Inventor</b>	Robert M. WINSLOW et al.
		<b>Examiner Name</b>	Unassigned
<b>Sheet</b>	1 of 1	<b>Attorney Docket Number</b>	034107-046

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	3,925,344		Mazur	12-09-1975
	4,001,401		Bonson et al.	01-04-1977
	4,061,736		Morris et al.	12-06-1977
	4,473,496		Scannon	09-25-1984
	4,529,719		Tye	07-16-1985
	4,584,130		Bocci et al.	04-22-1986
	4,600,531		Walder	07-15-1986
	4,826,811		Sehgal et al.	05-02-1989
	4,857,636		Hsia	08-15-1989
	5,028,588		Hoffman et al.	07-02-1991
	5,194,590		Sehgal et al.	03-16-1993
	5,250,665		Kluger et al.	10-05-1993
	5,296,465		Rausch et al.	03-22-1994
	5,661,124		Hoffman et al.	08-26-1997
	5,814,601		Winslow et al.	09-29-1988
	6,054,427		Winslow	04-25-2000

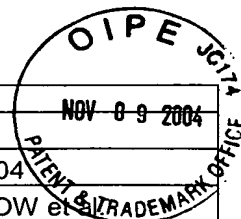
FOREIGN PATENT DOCUMENTS					
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation
					Yes No

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Blumenstein et al. (1978). "Blood Substitutes and Plasma Expanders". Alan R. Liss, editors, New York, New York, pp. 205-212.
	Guyton, A.C. (1982). "Human Physiology And Mechanisms Of Disease" 3 <sup>rd</sup> ed., W.B. Saunders Co., Philadelphia, PA, pp. 228-229.
	Liebhaber et al. (1980). <i>P.N.A.S.</i> 77(12):7054-7058.
	Marotta et al. (1977). <i>J. Biol. Chem.</i> 252(14):5040-5053.
	Nagai et al. (1985). <i>P.N.A.S.</i> 82:7252-7255.
	Prough, D. et al. (1986). <i>J. Neurosurg.</i> 64:627-32.
	Przybelski, R.J. et al.(1997). "The pressor effect of hemoglobin—good or bad?" <i>In Advances in Blood Substitutes.</i> Winslow, R.M., K.D. Vandegriff, and M. Intaglietta eds., Boston, Birkhauser, pp. 71-85.
	Vandegriff and Shrager (1994). "Methods in Enzymology" Everse et al., eds., Academic Press, pp. 232:460.
	Winslow et al. (1997). "Advances in Blood Substitutes" Birkhauser ed., Boston MA, pp. 166-188.
	Winslow et al. (1977). <i>J. Biol. Chem.</i> 252(7):2331-37.

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.  
CA 86043.1

Substitute for form 1449A/PTO & 1449B/PTO			Complete if Known		
<b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)			Application Number	10/501,171	
			Filing Date	September 27, 2004	
			First Named Inventor	Robert M. WINSLOW et al.	
			Examiner Name	Unassigned	
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	Guyton, A.C. (1982). "Human Physiology And Mechanisms Of Disease" 3 <sup>rd</sup> ed., W.B. Saunders Co., Philadelphia, PA, pp. 228-229.
	Liebhaber et al. (1980). <i>P.N.A.S.</i> 77(12):7054-7058.
	Marotta et al. (1977). <i>J. Biol. Chem.</i> 252(14):5040-5053.
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	Prough, D. et al. (1986). <i>J. Neurosurg.</i> 64:627-32.
	Przybelski, R.J. et al.(1997). "The pressor effect of hemoglobin—good or bad?" <i>In Advances in Blood Substitutes</i> . Winslow, R.M., K.D. Vandegriff, and M. Intaglietta eds., Boston, Birkhauser, pp. 71-85.
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